

Name : _____

Score : _____

Scientific Notation

Simplify each problem and express the answer in scientific notation.

1) $(4.2 \times 10^{-2}) + (7.1 \times 10)$

Answer : _____

2) $(8.6 \times 10^3) (2.04 \times 10^5)$

Answer : _____

3) $\frac{7.5 \times 10^{-4}}{1.5 \times 10^{-1}}$

Answer : _____

4) $(9.6 \times 10^8) - (3.15 \times 10^6)$

Answer : _____

5) $(2.05 \times 10^2) - (8.2 \times 10^{-1})$

Answer : _____

6) $(4.7 \times 10^3) + (6.5 \times 10^6)$

Answer : _____

7) $(5.18 \times 10^7) (9.25 \times 10^9)$

Answer : _____

8) $\frac{1.8 \times 10^{-3}}{0.6 \times 10^{-2}}$

Answer : _____

9) $(7.3 \times 10^{-5}) + (9.12 \times 10^{-3})$

Answer : _____

10) $(4.7 \times 10^4) (6.25 \times 10)$

Answer : _____

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Answer key

Simplify each problem and express the answer in scientific notation.

1) $(4.2 \times 10^{-2}) + (7.1 \times 10)$

Answer : 7.1042×10

2) $(8.6 \times 10^3) (2.04 \times 10^5)$

Answer : 1.7544×10^9

3) $\frac{7.5 \times 10^{-4}}{1.5 \times 10^{-1}}$

Answer : 5×10^{-3}

4) $(9.6 \times 10^8) - (3.15 \times 10^6)$

Answer : 9.5685×10^8

5) $(2.05 \times 10^2) - (8.2 \times 10^{-1})$

Answer : 2.0418×10^2

6) $(4.7 \times 10^3) + (6.5 \times 10^6)$

Answer : 6.5047×10^6

7) $(5.18 \times 10^7) (9.25 \times 10^9)$

Answer : 4.7915×10^{17}

8) $\frac{1.8 \times 10^{-3}}{0.6 \times 10^{-2}}$

Answer : 3×10^{-1}

9) $(7.3 \times 10^{-5}) + (9.12 \times 10^{-3})$

Answer : 9.193×10^{-3}

10) $(4.7 \times 10^4) (6.25 \times 10)$

Answer : 2.9375×10^6